

Fig. 1

5' [] A B C [] 3' nucleic acid to be detected

3' [] A' B' C' [] 5' complement thereof

Fig. 2

3' [] A' B' C' [] 5' elongation product

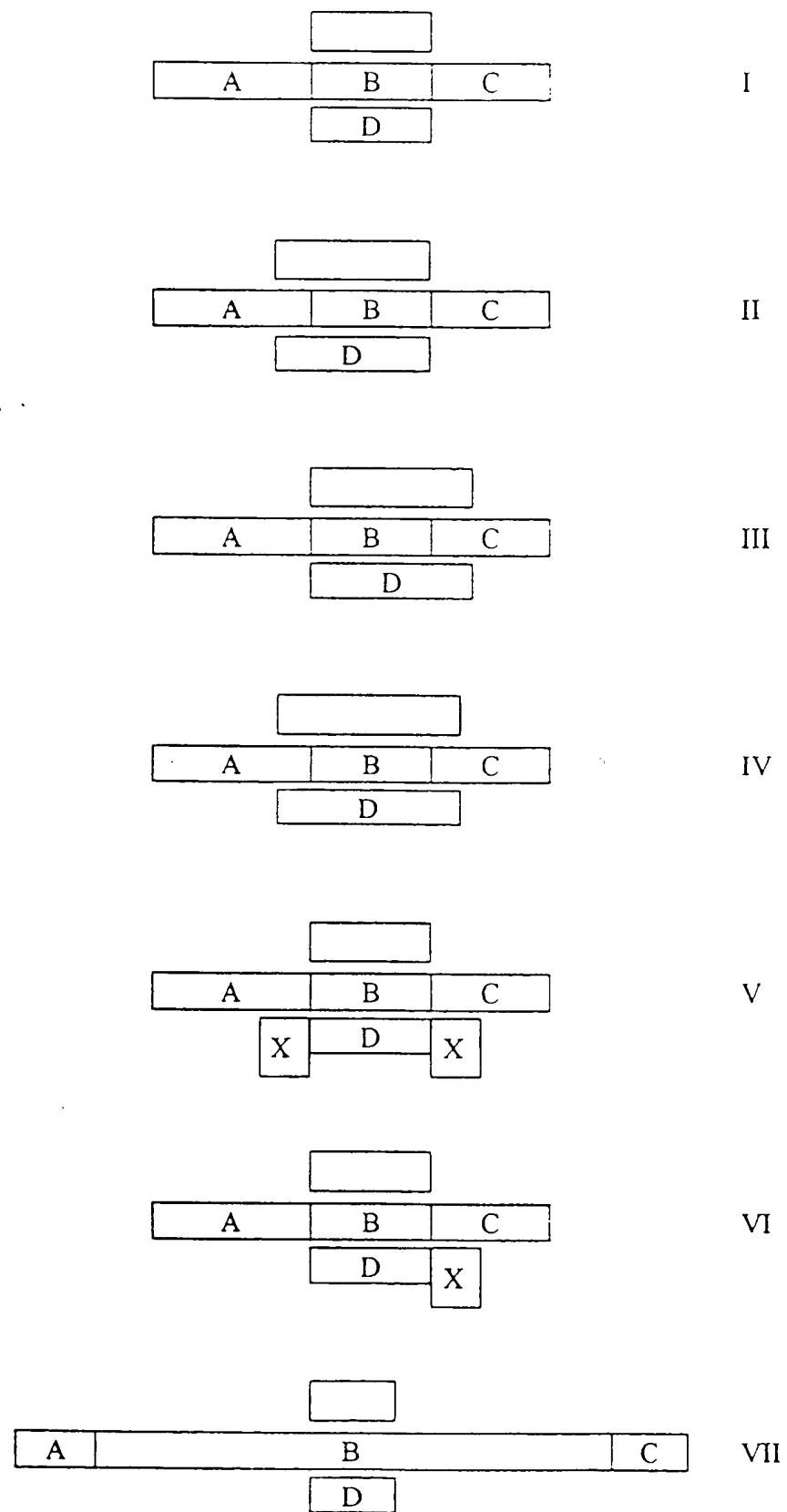
5' [] A B C [] 3' elongation product

5' [] A B C [] 3' amplificate

3' [] A' B' C' [] 5' complement of the amplificate

[] Y A B C [] Y amplificate with tails Y

Fig. 3



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Fig. 4

HCV	AGTATGAGTGTCTGCAGCCTCCAGGACCCCCCTCCGGAGAGCCA
HUMAN	AGTATGT <u>G</u> TCTGCAGCCTCCAGGACCCCC <u>A</u> CTCCGGAGAGCCA

Fig. 7

HCV:
5'-GTACTGCCTG ATAGGGTGCT TCGAGTGCC CCGGGAGGTC TCGTAGACCG
TGCACCATG-3'

HGBV-B:
5'-GTACTGCCTG ATAGGGTCCT TCGAGGGGA TCTGGGAGTC TCGTAGACCG
TAGCACATG-3'

FIG 5

$$1 + (n-1) \times 2 + m \times 3$$

↓
1. $n+m$ synthesis cycles
2. conc. ammonia

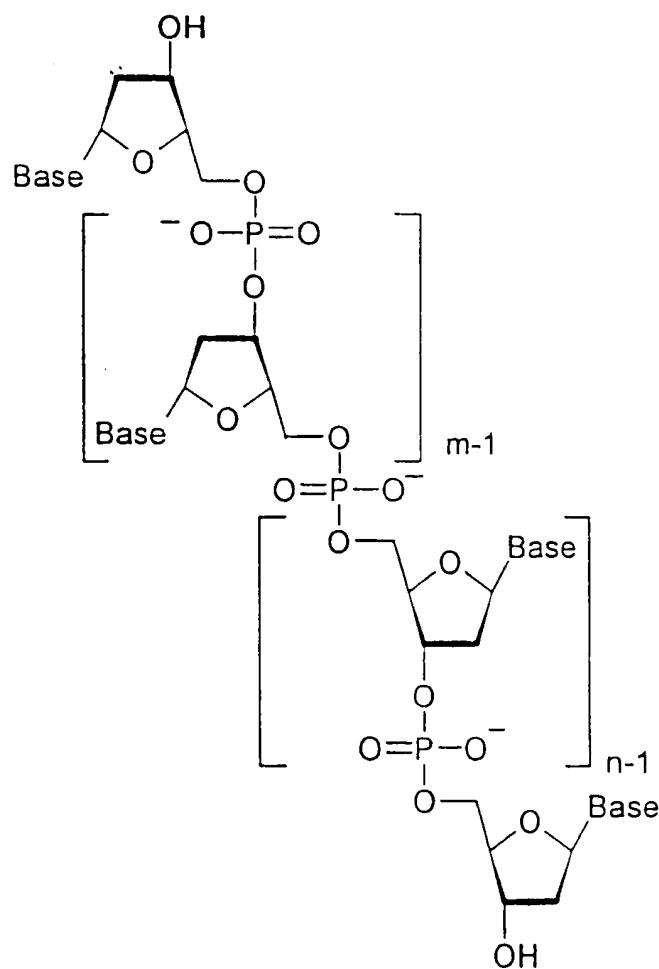


FIG 6

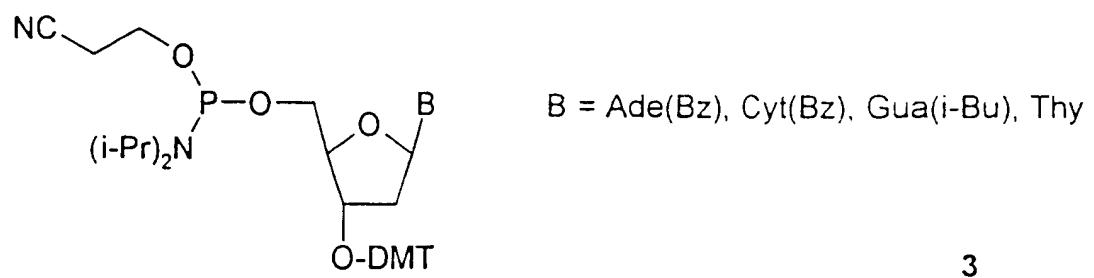
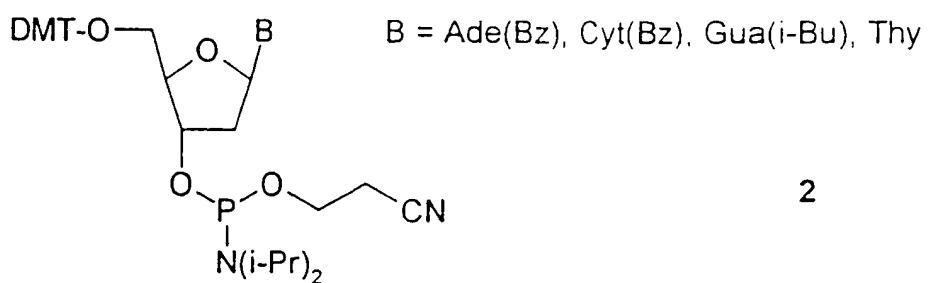
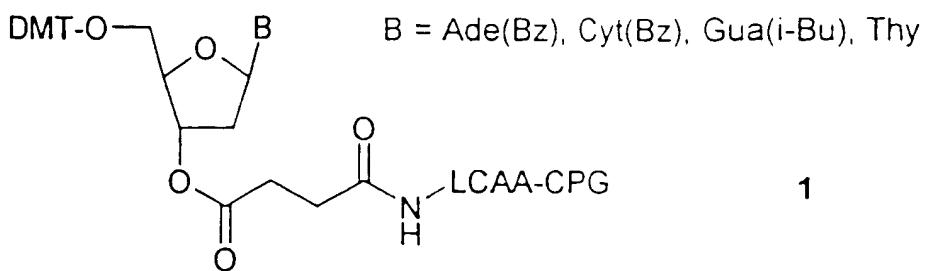


FIG 8

HCVMCR01	AGTATGTTGTCGTGCAGCC	
MPF1	CCAGGACCCCCCACTCCCCG	
MPF1+1	TCCAGGACCCCCACTCCCCG	
MPF2	CCAGGACCCCCACTTCC	
HCV_1A	AGTATGAGTGTGAGCCTCCAGGGCCCCCTCCCCGGAGAGCCA	
HCV_1B	AGTATGAGTGTGAGCCTCCAGGGCCCCCTCCCCGGAGAGCCA	
HCV_2B	AGTATGAGTGTGAGCCTCCAGGGCCCCCTCCCCGGAGAGCCA	
HCV__MCR	AGTATGAGCCTCCAGGACCCCCACTCCCCGGAGAGCCA	
MPR1_rev&compl	GTGTGTGGTGCAGCCCTCCAGGA	
MPR2_rev&compl	TGGTGCAGCCCTCCAGGA	
HCVMCR02_rev&compl	CCACTCCCCGGAGAGCCA	
	#1	

FIG 9

261 5'-CGTACTGCCCTAGGGCTCCGAGTCCCCGGGTCTCCGTAGACCGTCCACCATGA-3' 333

Forward primer CK10/Reverse primer CR20
 Forward primer CK11/Reverse primer CR20

Forward primer CK10-1/Reverse primer CK20-1
 Forward primer CK11-1/Reverse primer CK20-1

Forward primer CK10-2/Reverse primer CK20-2
 Forward primer CK11-2/Reverse primer CK20-2

5' -CGTACTGCCCTAGGGCT-3'
 5' -CGTACTGCCCTAGGGCT-3'

Forward primer CK10/Reverse primer CR21
 Forward primer CK10-1/Reverse primer CR21-1
 Forward primer CK11-1/Reverse primer CR21-1

Forward primer CK10-1/Reverse primer CR21-2
 Forward primer CK11-1/Reverse primer CR21-2

Forward primer CK10-2/Reverse primer CR21-3
 Forward primer CK11-2/Reverse primer CR21-3

5' -CGTACTGCCCTAGGGCT-3'
 5' -CGTAMTQHTIATAGGCTCT-3'
 5' -CGTAMTQHTIATAGGCTCT-3'
 5' -CGTAMTQHTIATAGGCTCT-3'
 5' -CGTAMTQHTIATAGGCTCT-3'
 5' -CGTAMTQHTIATAGGCTCT-3'
 5' -CGTAMTQHTIATAGGCTCT-3'
 5' -CGTAMTQHTIATAGGCTCT-3'

3' -CAGAGTATHGCAATGCTGATG-5'
 3' -CAGAGTATHGCAATGCTGATG-5'
 3' -CAGAGTATHGCAATGCTGATG-5'
 3' -CDGCDIMDTMGCATGATGCTGATG-5'
 3' -CDGCDIMDTMGCATGATGCTGATG-5'
 3' -MDGCDIMDTMGCQAPPKPGTAMG-5'
 3' -MDGCDIMDTMGCQAPPKPGTAMG-5'

3' -CTTCAGGCCATCTGCCATCGTCGTCAG-5'
 3' -CTPHDGDIMDTMGCATGCTGATG-5'
 3' -CTPHDGDIMDTMGCATGCTGATG-5'
 3' -CTPHDGDIMDTMGCATGCTGATG-5'
 3' -CTPHDGDIMDTMGCATGCTGATG-5'
 3' -CTPHDGDIMDTMGCATGCTGATG-5'
 3' -CTPHDGDIMDTMGCATGCTGATG-5'

389 5'-CGTACTGCCCTAGGGCTCCGAGTCCCCGGGTCTCCGTAGACCGTCCACCATGA-3' 449

ICRY-B

FIG 10

261 5'-GGTACTGCCCTATGCCGCTTCCAGTCCCCCGCTCTCTGACCGTCCACCTGA-3' 333

ICV

Forward primer CK12/Reverse primer CK22
5' -CGTAACTGGTATACGGT-3'
Forward primer CK12-1/Reverse primer CK22-1
5' -CGTAACTGGTATACGGT-3'
Forward primer CK12-1/Reverse primer CK22-2
5' -CGTAACTGGTATACGGT-3'
Forward primer CK12-1/Reverse primer CK22-3
5' -CGTAACTGGTATACGGT-3'
Forward primer CK12-2/Reverse primer CK22-4
5' -CGTDMGTTGTTDGGT-3'
Forward primer CK12-2/Reverse primer CK22-5
5' -CGTDMGTTGTTDGGT-3'

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Forward primer CK12/Reverse primer CK23
5' -CGTAACTGGTATACGGT-3'
Forward primer CK12-1/Reverse primer CK23-1
5' -CGTAACTGGTATACGGT-3'
Forward primer CK12-1/Reverse primer CK23-2
5' -CGTAACTGGTATACGGT-3'
Forward primer CK12-2/Reverse primer CK23-3
5' -CGTDMGTTGTTDGGT-3'
Forward primer CK12/Reverse primer CK24
5' -CGTAACTGGTATACGGT-3'
Forward primer CK12/Reverse primer CK24-1
5' -CGTAACTGGTATACGGT-3'
Forward primer CK12-1/Reverse primer CK24-2
5' -CGTAACTGGTATACGGT-3'
Forward primer CK12-2/Reverse primer CK24-3
5' -CGTDMGTTGTTDGGT-3'

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389 5'-GTACTGCCCTATGCCGCTTCCAGTCCCCCGCTCTCTGACCGTCCACCTGA-3' 449

ICV-B